

ABSTRACT OF THE DISCLOSURE

A liquid crystal display device includes a thin film transistor substrate, on which a plurality of data lines and gate lines are positioned perpendicular to each other; a plurality of pixel electrodes formed near intersections of the data lines and the gate lines; a color filter substrate positioned parallel to the thin film transistor substrate, including a color filter layer, a black matrix and a common electrode formed thereon; a polymer wall arrangement formed either on the thin film transistor substrate or on the color filter substrate dividing the substrate into a plurality of liquid crystal panels; and at least one liquid crystal injection opening formed on each panel of the plurality of liquid crystal panels.